RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/ 562, 486_
Source: _TGLO_
Date Processed by STIC: _2/16/07_

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IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/562,486

DATE: 02/16/2007
TIME: 10:08:22

Input Set : **A:\283629US.txt**
Output Set: **N:\CRF4\02162007\J562486.raw**

```
   3 <110> APPLICANT: Haruo, Sugiyama
   5 <120> TITLE OF INVENTION: Method of selecting patients suitable for WT1 vaccine
   7 <130> FILE REFERENCE: 664590
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/562,486
C--> 10 <141> CURRENT FILING DATE: 2005-12-27
  12 <150> PRIOR APPLICATION NUMBER: JP 2003-184436
  13 <151> PRIOR FILING DATE: 2003-06-27
  15 <150> PRIOR APPLICATION NUMBER: JP 2004-070497
  16 <151> PRIOR FILING DATE: 2004-03-12
  18 <160> NUMBER OF SEQ ID NOS: 22
  20 <170> SOFTWARE: PatentIn Ver. 2.1
  23 <210> SEQ ID NO: 1
  24 <211> LENGTH: 449
  25 <212> TYPE: PRT
  26 <213> ORGANISM: Homo sapiens
  28 <400> SEQUENCE: 1
  29 Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro
  30  1               5                  10                  15
  32 Ser Leu Gly Gly Gly Gly Gly Cys Ala Leu Pro Val Ser Gly Ala Ala
  33             20                  25                  30
  35 Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr
  36         35                  40                  45
  38 Gly Ser Leu Gly Gly Pro Ala Pro Pro Ala Pro Pro Pro Pro
  39     50                  55                  60     •
  41 Pro Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly
  42 65                  70                  75                  80
  44 Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe
  45                 85                  90                  95
  47 Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe
  48                 100                 105                 110
  50 Gly Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe
  51             115                 120                 125
  53 Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Ala Ile
  54     130                 135                 140
  56 Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr
  57 145                 150                 155                 160
  59 Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe
  60                 165                 170                 175
  62 Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln
  63                 180                 185                 190
  65 Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser
  66                 195                 200                 205
  68 Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp
```

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```
69      210                   215                   220
71 Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln
72 225               230               235               240
74 Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser
75                245               250               255
77 Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Ser Thr Gly Tyr Glu
78                260               265               270
80 Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile
81           275               280               285
83 His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Pro
84      290               295               300
86 Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys
87 305               310               315               320
89 Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys
90                325               330               335
92 Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro
93           340               345               350
95 Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp
96      355               360               365
98 Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln
99      370               375               380
101 Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr
102 385               390               395               400
104 His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys
105                405               410               415
107 Arg Trp Pro Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val
108                420               425               430
110 Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu Gln Leu Ala
111           435               440               445
113 Leu
116 <210> SEQ ID NO: 2
117 <211> LENGTH: 9
118 <212> TYPE: PRT
119 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
122      Peptide
124 <400> SEQUENCE: 2
125 Cys Met Thr Trp Asn Gln Met Asn Leu
126  1               5
129 <210> SEQ ID NO: 3
130 <211> LENGTH: 9
131 <212> TYPE: PRT
132 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
135      Peptide
137 <400> SEQUENCE: 3
138 Cys Tyr Thr Trp Asn Gln Met Asn Leu
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W--> 120 <220> FEATURE:
W--> 133 <220> FEATURE:

RAW SEQUENCE LISTING   DATE: 02/16/2007
PATENT APPLICATION: US/10/562,486   TIME: 10:08:22

           Input Set : **A:\283629US.txt**
           Output Set: **N:\CRF4\02162007\J562486.raw**

```
139   1              5
142 <210> SEQ ID NO: 4
143 <211> LENGTH: 9
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
W--> 146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
148      Peptide
150 <400> SEQUENCE: 4
151 Arg Met Phe Pro Asn Ala Pro Tyr Leu
152   1              5
155 <210> SEQ ID NO: 5
156 <211> LENGTH: 9
157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial Sequence
W--> 159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
161      Peptide
163 <400> SEQUENCE: 5
164 Arg Tyr Pro Ser Cys Gln Lys Lys Phe
165   1              5
168 <210> SEQ ID NO: 6
169 <211> LENGTH: 9
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
W--> 172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
174      Peptide
176 <400> SEQUENCE: 6
177 Ser Tyr Thr Trp Asn Gln Met Asn Leu
178   1                5
181 <210> SEQ ID NO: 7
182 <211> LENGTH: 9
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
W--> 185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
187      Peptide
189 <400> SEQUENCE: 7
190 Ala Tyr Thr Trp Asn Gln Met Asn Leu
191   1              5
194 <210> SEQ ID NO: 8
195 <211> LENGTH: 9
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
W--> 198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
200      Peptide
201 <223> OTHER INFORMATION: Xaa at 1 position stands for Abu.
```

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PATENT APPLICATION: US/10/562,486   TIME: 10:08:22

Input Set : A:\283629US.txt
Output Set: N:\CRF4\02162007\J562486.raw

W--> 203 <400> 8
W--> 204 Xaa Tyr Thr Trp Asn Gln Met Asn Leu
     205   1   5
     208 <210> SEQ ID NO: 9
     209 <211> LENGTH: 9
     210 <212> TYPE: PRT
     211 <213> ORGANISM: Artificial Sequence
W--> 212 <220> FEATURE:
     213 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
     214   Peptide
     216 <400> SEQUENCE: 9
     217 Arg Tyr Thr Trp Asn Gln Met Asn Leu
     218   1   5
     221 <210> SEQ ID NO: 10
     222 <211> LENGTH: 9
     223 <212> TYPE: PRT
     224 <213> ORGANISM: Artificial Sequence
W--> 225 <220> FEATURE:
     226 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
     227   Peptide
     229 <400> SEQUENCE: 10
     230 Lys Tyr Thr Trp Asn Gln Met Asn Leu
     231   1   5
     234 <210> SEQ ID NO: 11
     235 <211> LENGTH: 9
     236 <212> TYPE: PRT
     237 <213> ORGANISM: Artificial Sequence
W--> 238 <220> FEATURE:
     239 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
     240   Peptide
     242 <400> SEQUENCE: 11
     243 Arg Tyr Phe Pro Asn Ala Pro Tyr Leu
     244   1   5
     247 <210> SEQ ID NO: 12
     248 <211> LENGTH: 9
     249 <212> TYPE: PRT
     250 <213> ORGANISM: Artificial Sequence
W--> 251 <220> FEATURE:
     252 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
     253   Peptide
     255 <400> SEQUENCE: 12
     256 Arg Tyr Pro Gly Val Ala Pro Thr Leu
     257   1   5
     260 <210> SEQ ID NO: 13
     261 <211> LENGTH: 9
     262 <212> TYPE: PRT
     263 <213> ORGANISM: Artificial Sequence
W--> 264 <220> FEATURE:
     265 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic

```
     266        Peptide
     268 <400> SEQUENCE: 13
     269 Ala Tyr Leu Pro Ala Val Pro Ser Leu
     270   1                 5
     273 <210> SEQ ID NO: 14
     274 <211> LENGTH: 9
     275 <212> TYPE: PRT
     276 <213> ORGANISM: Artificial Sequence
W--> 277 <220> FEATURE:
     278 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
     279        Peptide
     281 <400> SEQUENCE: 14
     282 Asn Tyr Met Asn Leu Gly Ala Thr Leu
     283   1                 5
     286 <210> SEQ ID NO: 15
     287 <211> LENGTH: 9
     288 <212> TYPE: PRT
     289 <213> ORGANISM: Artificial Sequence
W--> 290 <220> FEATURE:
     291 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
     292        Peptide
     294 <400> SEQUENCE: 15
     295 Arg Val Pro Gly Val Ala Pro Thr Leu
     296   1                 5
     299 <210> SEQ ID NO: 16
     300 <211> LENGTH: 9
     301 <212> TYPE: PRT
     302 <213> ORGANISM: Artificial Sequence
W--> 303 <220> FEATURE:
     304 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
     305        Peptide
     307 <400> SEQUENCE: 16
     308 Arg Tyr Pro Ser Ser Gln Lys Lys Phe
     309   1                 5
     312 <210> SEQ ID NO: 17
     313 <211> LENGTH: 9
     314 <212> TYPE: PRT
     315 <213> ORGANISM: Artificial Sequence
W--> 316 <220> FEATURE:
     317 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
     318        Peptide
     320 <400> SEQUENCE: 17
     321 Arg Tyr Pro Ser Ala Gln Lys Lys Phe
     322   1                 5
     325 <210> SEQ ID NO: 18
     326 <211> LENGTH: 9
     327 <212> TYPE: PRT
     328 <213> ORGANISM: Artificial Sequence
W--> 329 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/16/2007
PATENT APPLICATION: US/10/562,486   TIME: 10:08:23

Input Set : **A:\283629US.txt**
Output Set: **N:\CRF4\02162007\J562486.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 1
Seq#:18; Xaa Pos. 5

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: **US/10/562,486**

DATE: 02/16/2007
TIME: 10:08:23

Input Set : **A:\283629US.txt**
Output Set: **N:\CRF4\02162007\J562486.raw**

Use of n's or Xaa's(NEW RULES):
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:8; Xaa Pos. 1
Seq#:18; Xaa Pos. 5

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/562,486**

DATE: 02/16/2007
TIME: 10:08:23

Input Set : **A:\283629US.txt**
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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:120 M:283 W: Missing Blank Line separator, <220> field identifier
L:133 M:283 W: Missing Blank Line separator, <220> field identifier
L:146 M:283 W: Missing Blank Line separator, <220> field identifier
L:159 M:283 W: Missing Blank Line separator, <220> field identifier
L:172 M:283 W: Missing Blank Line separator, <220> field identifier
L:185 M:283 W: Missing Blank Line separator, <220> field identifier
L:198 M:283 W: Missing Blank Line separator, <220> field identifier
L:203 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:204 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:8
L:204 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:8
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:212 M:283 W: Missing Blank Line separator, <220> field identifier
L:225 M:283 W: Missing Blank Line separator, <220> field identifier
L:238 M:283 W: Missing Blank Line separator, <220> field identifier
L:251 M:283 W: Missing Blank Line separator, <220> field identifier
L:264 M:283 W: Missing Blank Line separator, <220> field identifier
L:277 M:283 W: Missing Blank Line separator, <220> field identifier
L:290 M:283 W: Missing Blank Line separator, <220> field identifier
L:303 M:283 W: Missing Blank Line separator, <220> field identifier
L:316 M:283 W: Missing Blank Line separator, <220> field identifier
L:329 M:283 W: Missing Blank Line separator, <220> field identifier
L:334 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:335 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:18
L:335 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:18
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:343 M:283 W: Missing Blank Line separator, <220> field identifier
L:354 M:283 W: Missing Blank Line separator, <220> field identifier
L:364 M:283 W: Missing Blank Line separator, <220> field identifier
L:375 M:283 W: Missing Blank Line separator, <220> field identifier
```

OK

OK